

**A**

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**B**

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BACE501: 1 MAQALPWLLLWMGAGVLPAGHTQHGIPLRSLGGLPLRLPRETDEEPEEPGRGSF 60
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BACE455: 1 MAQALPWLLLWMGAGVLPAGHTQHGIPLRSLGGLPLRLPRETDEEPEEPGRGSF 60

BACE501: 61 VEMVDNLRGKSGQGYVEMTVGSPQTLNVLVDTGSSNFAVGAAPHFLHRYQRLSST 120
VEMVDNLRGKSGQGYVEMTVGSPQTLNVLVDTGSSNFAVGAAPHFLHRYQRLSST
BACE455: 61 VEMVDNLRGKSGQGYVEMTVGSPQTLNVLVDTGSSNFAVGAAPHFLHRYQRLSST 120

BACE501: 121 YRDLRKGVVYPYTQGWEGELGTDLVSI PHGPNVTVRANIAAITESDKFFINGSNWEGIL 180
YRDLRKGVVYPYTQGWEGELGTDLVSI PHGPNVTVRANIAAITESDKFFINGSNWEGIL
BACE455: 121 YRDLRKGVVYPYTQGWEGELGTDLVSI PHGPNVTVRANIAAITESDKFFINGSNWEGIL 180

BACE501: 181 GLAYAEIARPDSDLFFDLSLVKQTHVPLNLSLQCGAGFPLNQSEVLASVGGSMIIGGI 240
GLAYAEIAR IIGGI
BACE455: 181 GLAYAEIAR-----IIGGI 194

BACE501: 241 DHSLYTGSLWYTPIRREWYEVIIVRVEINGQDLKMDCKEYNYDKSIVDSGTTNLRPKK 300
DHSLYTGSLWYTPIRREWYEVIIVRVEINGQDLKMDCKEYNYDKSIVDSGTTNLRPKK
BACE455: 195 DHSLYTGSLWYTPIRREWYEVIIVRVEINGQDLKMDCKEYNYDKSIVDSGTTNLRPKK 254

BACE501: 301 VFEAAVKSIIKASSTEKFPDGFVLGEQLVCWQAGTTPWNIFPVISLYLMGEVTNQSFRT 360
VFEAAVKSIIKASSTEKFPDGFVLGEQLVCWQAGTTPWNIFPVISLYLMGEVTNQSFRT
BACE455: 255 VFEAAVKSIIKASSTEKFPDGFVLGEQLVCWQAGTTPWNIFPVISLYLMGEVTNQSFRT 314

BACE501: 361 ILPQQYLRPVEDVATSQDDCYKFAISQSSTGTVMGAVIMEGFYVVFDRARKRIGFAVSAC 420
ILPQQYLRPVEDVATSQDDCYKFAISQSSTGTVMGAVIMEGFYVVFDRARKRIGFAVSAC
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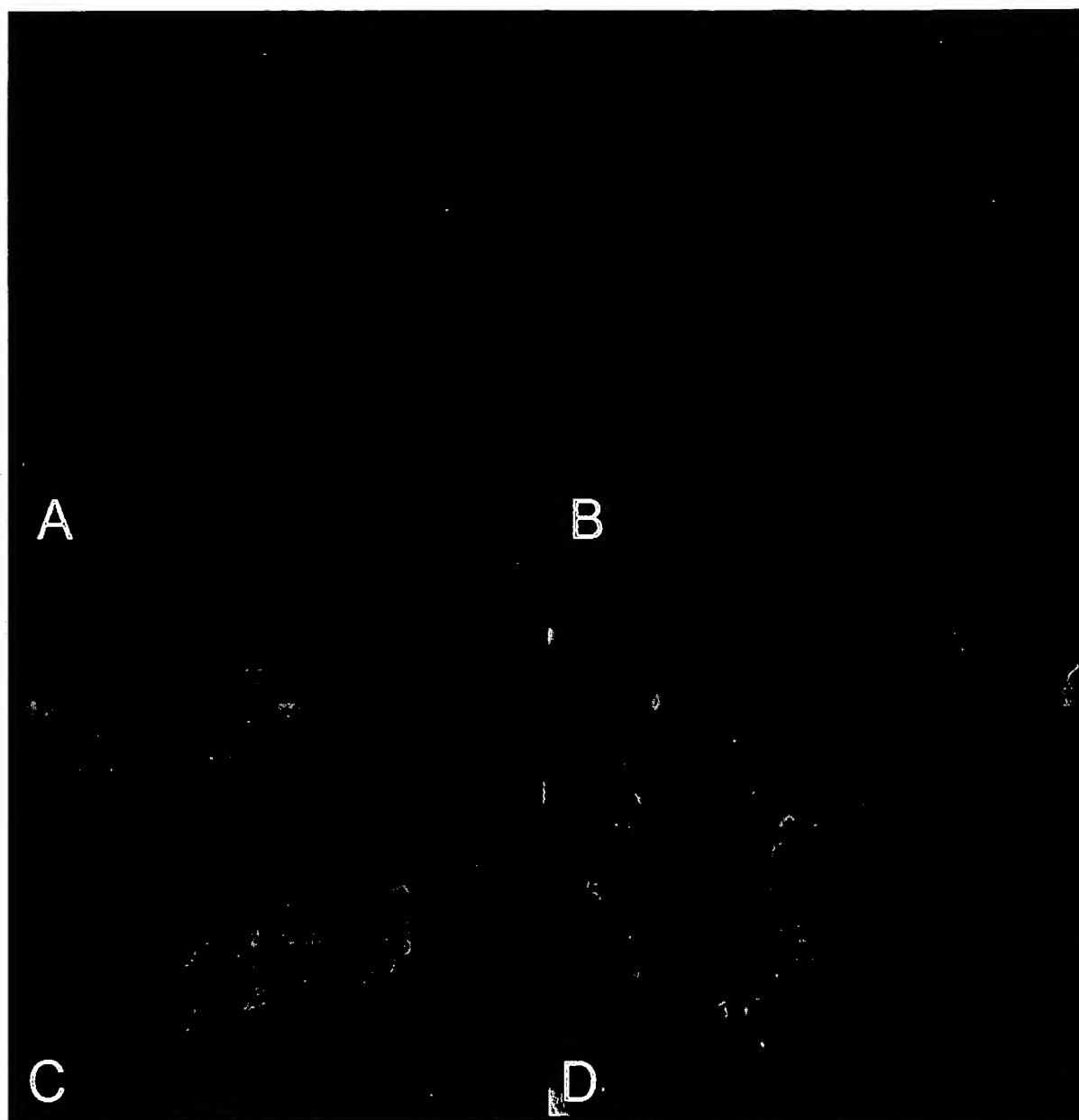
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HVHDEFRTAAVEGPFVTLDMEDCGYNIPQTDESTLMTIAYVMAAICALFMLPLCLMVCQW
BACE455: 375 HVHDEFRTAAVEGPFVTLDMEDCGYNIPQTDESTLMTIAYVMAAICALFMLPLCLMVCQW 434

BACE501: 481 RCLRCLRQQHDDFADDISLLK 501
RCLRCLRQQHDDFADDISLLK
BACE455: 435 RCLRCLRQQHDDFADDISLLK 455

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**Figure 1**

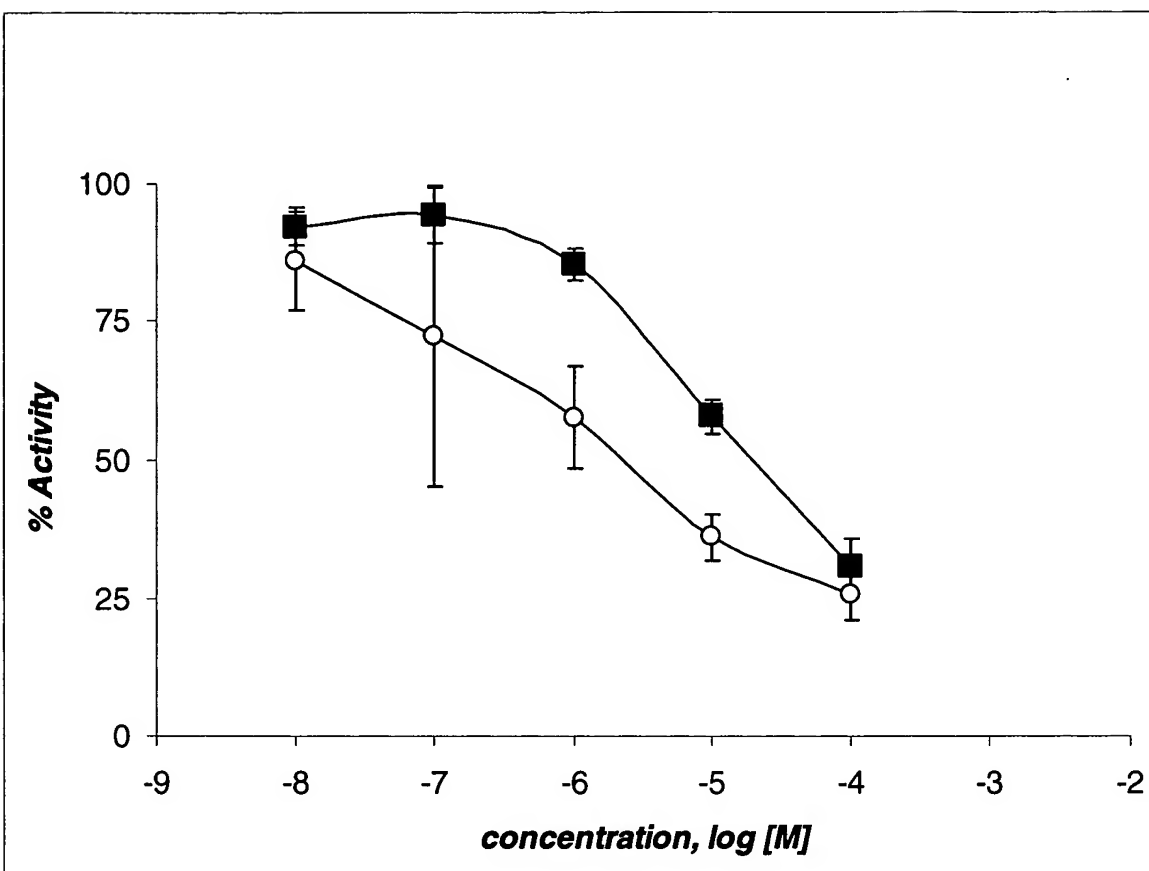
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**Figure 2**

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**Figure 3**

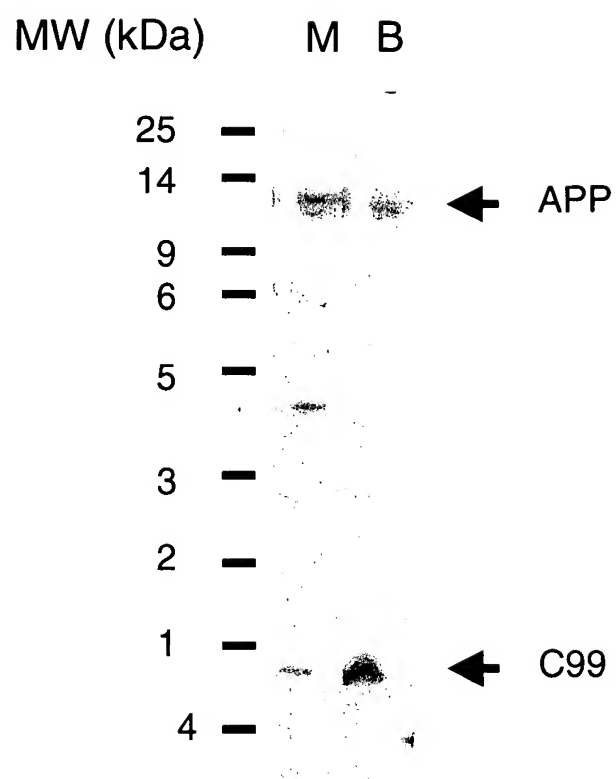
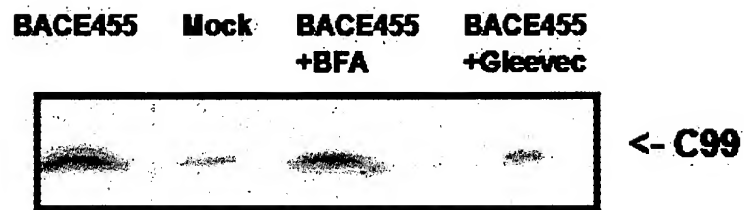


Figure 4

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**Figure 5**